



PATENT

Case Docket No. PALL.087C1

Date: November 19, 2003

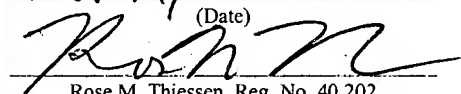
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Schindler, et al.
Appl. No. : 10/666,893
Filed : 17-Sep-2003
For : SULFONATED ARYL
SULFONATE MATRICES
AND METHODS OF
PRODUCTION
Examiner : Unassigned
Group Art Unit : Unknown

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

Nov 19, 2003

(Date)



Rose M. Thiessen, Reg. No. 40,202

TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

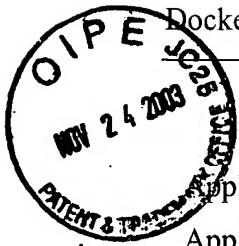
Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with forty-eight (48) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.



Rose M. Thiessen
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Attorney of Record
Customer No. 20,995
(619) 235-8550



INFORMATION DISCLOSURE STATEMENT

Applicant : Schindler, et al.
App. No. : 10/666,893
Filed : 17-Sep-2003
For : SULFONATED ARYL SULFONATE
MATRICES AND METHODS OF
PRODUCTION
Examiner : Unassigned
Group Art Unit : Unknown

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 48 references that are of record in U.S. patent application No. 09/563,143, filed May 2, 2000, which is the parent of this continuation application, and is relied upon for an earlier filing date under 35 U.S.C. § 120. Copies of the references are not submitted pursuant to 37 C.F.R. § 1.98(d).

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: Nov 19, 2003

By: 

Rose M. Thiessen
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
PALL.087C1

APPLICATION NO.
10/666,893

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Schindler, et al.

FILING DATE
September 17, 2003

GROUP
Unknown

U.S. PATENT DOCUMENTS

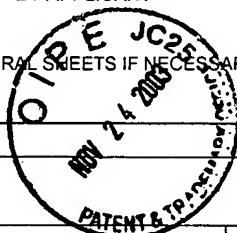
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	3,709,841	01/09/73	Quentin			
	2	4,207,182	06/10/80	Marze			
	3	4,268,650	05/19/81	Rose			
	4	4,818,387	04/89	Ikeda et al.			
	5	5,401,410	03/28/95	Bell et al.			
	6	5,879,554	03/09/99	Loffelmann et al.			
	7	3,769,332	10/30/73	Nagayama et al.			
	8	3,855,122	12/17/74	Bourganel			
	9	3,869,429	03/04/75	Blades			
	10	4,026,977	05/31/77	Bourganel			
	11	4,054,707	10/18/77	Quentin			
	12	4,207,182	06/10/80	Marzo			
	13	4,268,650	05/19/81	Rose			
	14	4,273,903	06/16/81	Rose			
	15	4,419,486	12/06/83	Rose			
	16	4,634,530	01/06/87	Kuder et al.			
	17	4,714,725	12/22/87	Hendy et al.			
	18	4,818,387	04/04/89	Ikeda et al.			
	19	4,866,099	09/12/89	Hendy			
	20	4,920,193	04/24/90	Hann et al.			
	21	4,922,485	05/01/90	Quinquis et al.			
	22	4,939,180	07/03/90	Hendy			
	23	4,971,695	11/20/90	Kawakami et al.			
	24	4,941,893	07/17/90	Hsieh et al.			
	25	4,992,485	02/12/91	Koo et al.			
	26	5,008,352	04/16/91	Hendy			
	27	5,013,765	05/07/91	Sluma et al.			
	28	5,028,337	07/02/91	Linder et al.			

EXAMINER

DATE CONSIDERED

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. PALL.087C1	APPLICATION NO. 10/666,893
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Schindler, et al.	
		FILING DATE September 17, 2003	GROUP Unknown



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	29	5,030,672	07/09/91	Hann et al.			
	30	5,013,765	05/07/91	Sluma et al.			
	31	5,071,448	12/10/91	Bikson et al.			
	32	5,112,892	05/12/92	Cardew et al.			
	33	5,118,766	06/02/92	Hendy et al.			
	34	5,246,582	09/21/93	Sluma et al.			
	35	5,693,740	12/00/97	Colquhoun et al.			
	36	5,879,554	03/09/99	Loffelmann et al.			
	37	5,997,741	12/07/99	Shimoda et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	38	DE 3814759 A1	11/09/89	Germany				
	39	DE 3814760 A1	11/09/89	Germany				
	40	EP 0 145 305 A2	06/85	Europe				
	41	EP 0 165 007 B1	12/18/85	Europe				
	42	EP 0 165 077 A2	12/18/85	Europe				
	43	DE 3321860 A1	12/20/84	Germany				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	44	PCT International Search Report; PCT/US 01/40640
	45	Abstract; Derwent Publications Ltd., London, GB; AN 1990-294967; XP002181229 & JP 02 208322 A ((KURK) KURITA WATER IND. LTD.), 17 August 1990
	46	Maku (Membrane), 1992, Vo. 17, No. 2, Page 85-90, Fig. 7, Tbl. 2, Ref. 4;
	47	Maku (Membrane), 1992, Vol. 17, No. 2, Page 78-84, Fig. 6, Tbl. 3, Ref. 3
	48	Maku (Membrane), 1992, Vol. 17, No. 3, Page 179-192, Fig. 25, Tbl. 5, Ref. 9

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EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	